# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

AS RECEIVING OFFICE

International Application No. International Filing Date

PCT/US03/29533 17 September 2003 (17.09.03)

**Earliest Priority Date** 

17 September 2002 (17.09.02)

Applicant(s)

BETH ISRAEL DEACONESS MEDICAL CENTER, INC.

Title

RADIO FREQUENCY IMPEDANCE MAPPING

Authorized Officer

Catherine Williams

Mail Stop PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Attn: RO/US

Transmitted herewith for filing are the following document(s):

Response to Invitation to Correct Defects in the International Application [XX]

Specific Power of Attorney Document signed by SODICKSON, Daniel K., [XX] Applicant/Inventor

Specific Power of Attorney Document signed by GRANT, Aaron K., Applicant/Inventor [XX]

Drawings (13 Sheets, Figs. 1-13) [XX]

Copy of Request Under PCT Rule 91.1(b) for Rectification of Obvious Errors with Substitute [XX] Sheets as filed concurrently on this date with the International Searching Authority

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned collect at (617) 720-3500, Boston, Massachusetts.

Respectfully submitted,

Reg. No.: 40,212

WOLF, GREENFIELD & SACKS, P.C.

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DOCKET NO.: B00662.70056

DATE: 05 January 2004

X 01/05/04

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## RESPONSE TO INVITATION TO CORRECT DEFECTS IN THE INTERNATIONAL APPLICATION

In response to the Invitation to Correct Defects in the International Application of 05 November 2003 (05.11.03), we enclose the following:

as requested in Annex A, a copy of Specific Powers of Attorney signed by SODICKSON,

Daniel K., Applicant/Inventor and GRANT, Aaron K., Applicant/Inventor;

as requested in Annex C, drawings (13 sheets, Figs. 1-13);

copy of Request Under PCT Rule 91.1(b) for Rectification of Obvious Errors with Substitute Sheets as filed concurrently on this date with the International Searching Authority.

Respectfully submitted,

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# PATENT COOPERATION TREATY

### POWER OF ATTORNEY

The undersigned Applicant hereby appoints:

Robert M. Abrahamsen	40,886	Steven J. Henry	27,900	Randy J. Pritzker	35,986
	•	,		•	,
Eric L. Amundsen	46,518	Jason M. Honeyman	31,624	Michael N. Rader	52,146
MaryDilys Anderson	52,560	Robert E. Hunt	39,231	Alan W. Steele	45,128
Ilan Barzilay	46,540	Ronald J. Kransdorf	20,004	Maria A. Trevisan	48,207
Carole Boelitz	48,958	Helen C. Lockhart	39,248	John R. Van Amsterdam	40,212
Tani Chen	52,728	William R. McClellan	29,409	Janice A. Vatland	52,318
Neil P. Ferraro	39,188	Daniel P. McLoughlin	46,066	Robert H. Walat	46,324
Stephen R. Finch	42,534	James H. Morris	34,681	Patrick R.H. Waller	41,418
Edward R. Gates	31,616	Walton A. Norfleet	52,078	Edmund J. Walsh	32,950
Richard F. Giunta	36,149	Timothy J. Oyer	36,628	Kristin D. Wheeler	43,583
Lawrence M. Green	29,384	Edward F. Perlman	28,105	David Wolf	17,528
George L. Greenfield	17,756	Michael J. Pomianek	46,190	Douglas R. Wolf	36,971
James M. Hanifin, Jr.	39,213			Geri Zollinger	45,259

of Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, Massachusetts 02210, United States of America, to act on his behalf before all competent International Authorities in connection with the international application identified below:

Title Of Invention: RADIO FREQUENCY IMPEDANCE MAPPING

Applicant's or agent's file reference: B0662.70056WO00

International Application Number (if known): Not yet assigned

filed with the United States Patent and Trademark Office as Receiving Office and to make or receive payments on his behalf.

SODICKSON, Daniel K. 7 Dorothy Road Newton, Massachusetts 02459 United States of America

Date: 12/12/03

Typed Name: Daniel Sodickson

Title: Assistant Professor of Radiology in Medicine

### PATENT COOPERATION TREATY

#### **POWER OF ATTORNEY**

The undersigned Applicant hereby appoints:

Robert M. Abrahamsen	40,886	Steven J. Henry	27,900	Randy J. Pritzker	35,986
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GRANT, Aaron K. 279 Western Avenue, Apt. 2 Allston, Massachusetts 02134 United States of America

Date: 12/13/03

Typed Name: Aaron Grant

Title: Instructor of Radiology in Medicine

1/13

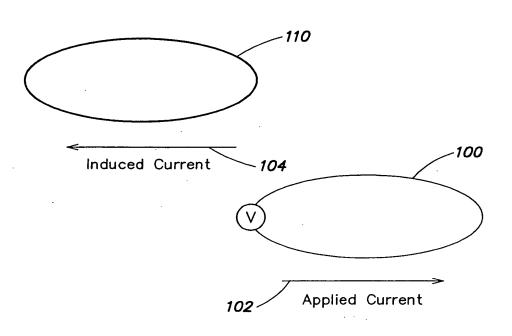
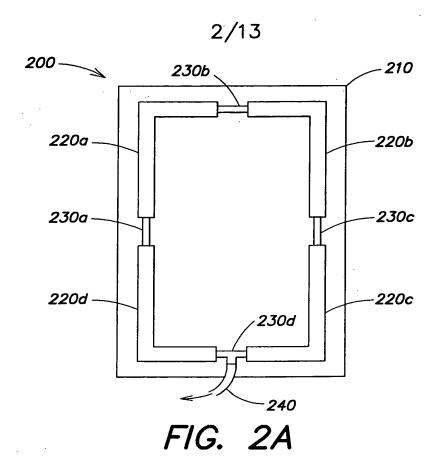
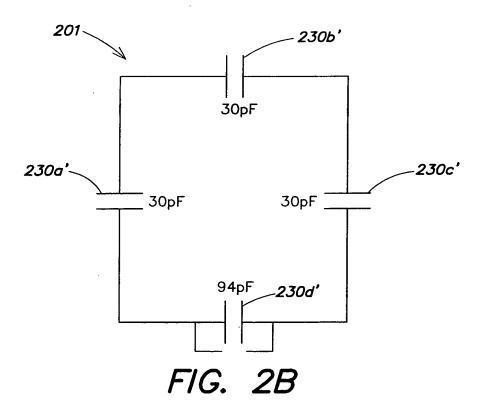


FIG. 1





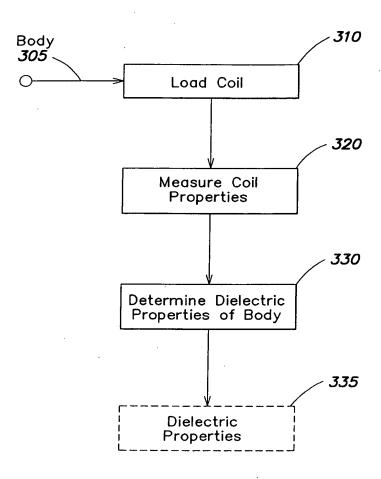
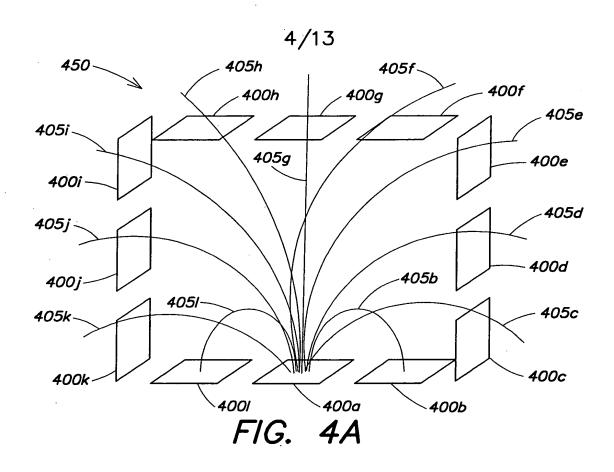
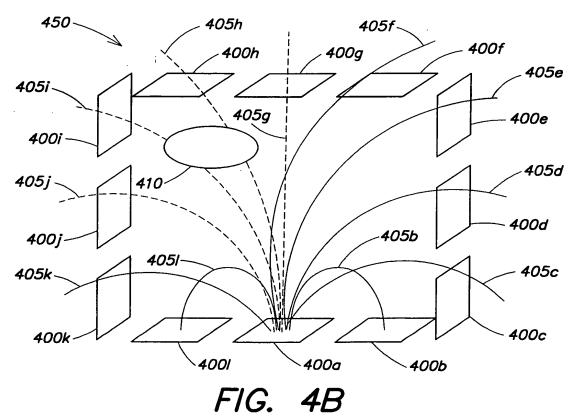


FIG. 3





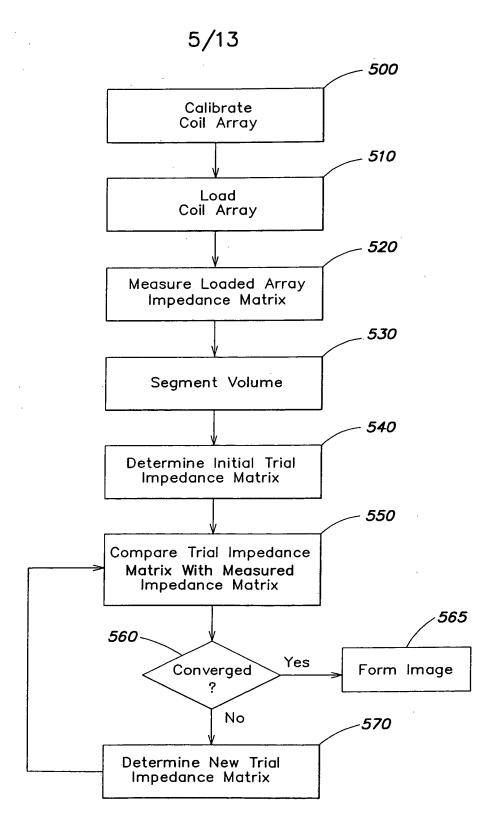
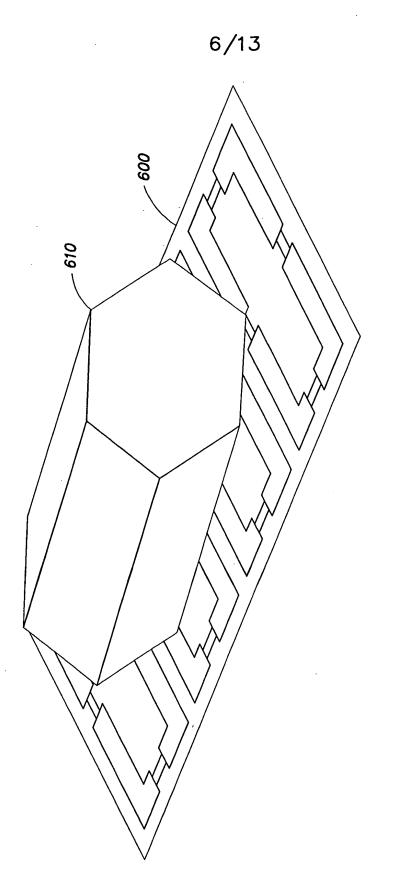


FIG. 5



F/G. 6

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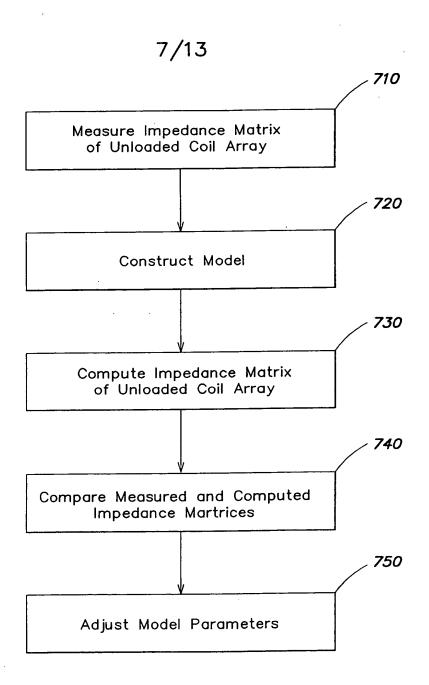
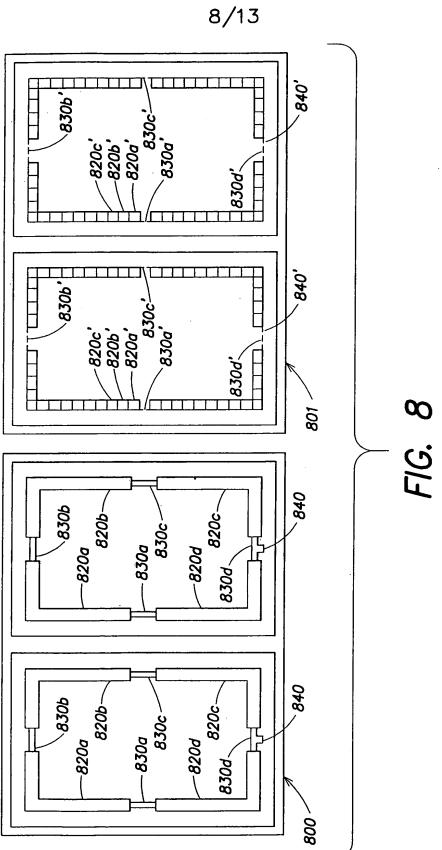
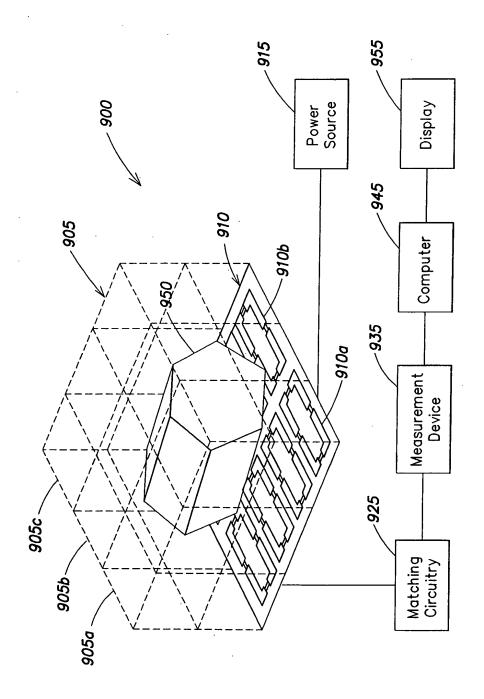


FIG. 7





F1G. 9

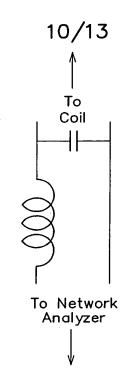
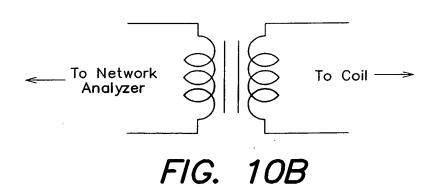


FIG. 10A



To Network To Coil To Coil To FIG. 10C

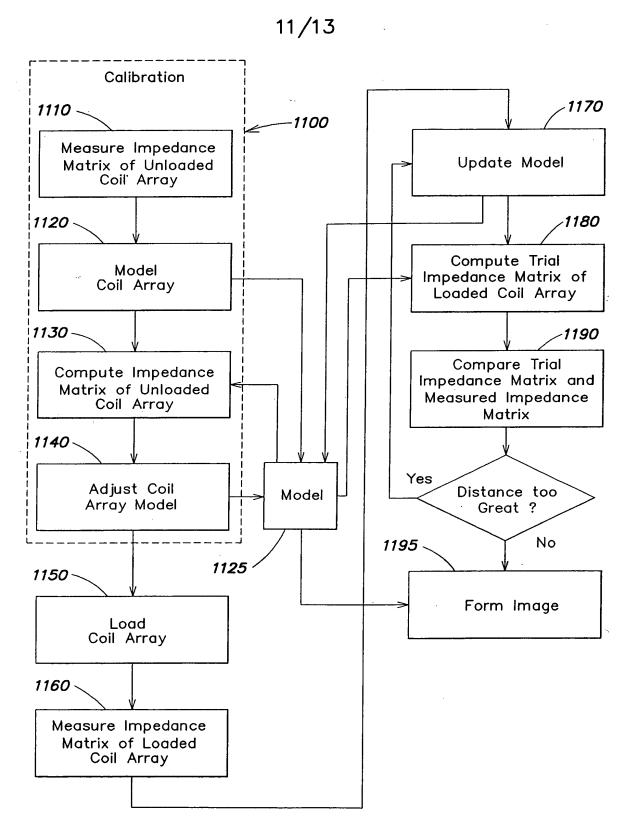


FIG. 11

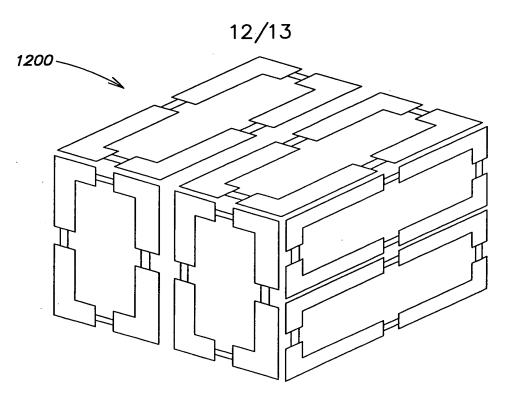


FIG. 12A

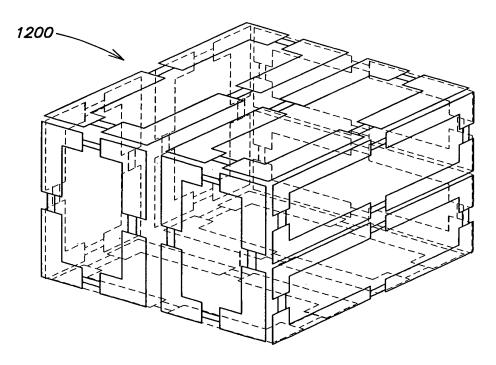


FIG. 12B



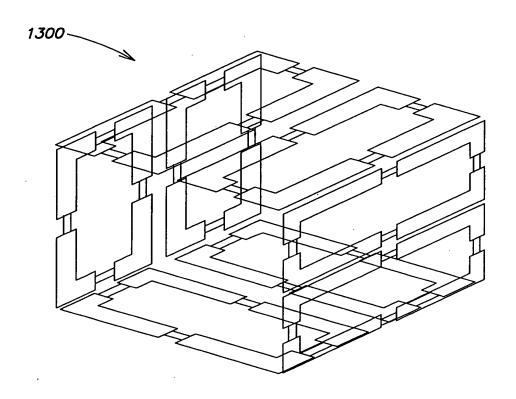


FIG. 13